

Transfer Station Design Notes

Factors that affect waste flow efficiency

1. Number of trailers available to load
 - a. Increasing the number of trailers available for loading increases the facility's effectiveness at transferring the maximum amount of waste possible in a given time period.
2. Types and number of equipment available for loading activity
3. Number of loading bays
4. Daily downtime
 - Minor equipment maintenance & cleaning
 - Employee break time
5. Monthly downtime
 - Major equipment maintenance & cleaning
 - Minor structural maintenance, repairs, and cleaning
 - Holidays – facility closure or reductions in staff
6. Annual downtime
 - Structural repairs to floor, walls, retaining wall, loading opening, sanitary facilities, wastewater/sanitary collection system, stormwater runoff system
7. Maintenance schedules for equipment
 - Exhaust fans
 - Scales
 - Moving equipment – back-hoes, front loaders, trailers, tractors
 - Stationary equipment – mounted knuckle-boom loaders, compactors
8. Number and length of work-shifts
 - The ability to take waste to a landfill past normal operating hours allows the facility to manage more TPD. This arrangement is considered more secure if the same person owns both the landfill and the transfer station.